| TITLE: IDMS Central Versions (CV) |
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| Purpose |
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To establish the operating mode of Database computer programs.

| CV Services and Functions |
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A CV provides automatic database file recovery in case of incomplete
database updating due to abnormal termination of your application
program, CICS, CV, or operating system software. Its journals are used
to provide Database file recovery in case of hardware failures.

A CV detects and controls conflicts between application programs or
tasks which are trying to access the same data. It provides protection
against simultaneous update of any data record, but can allow the update
of different data records of the same kind.

A CV is required to provide IDMS Database access through a
teleprocessing monitor such as CICS.

A CV is required for OLQ.

A CV performs any necessary dataset allocations, actual input and output
operations to the IDMS database files, and all automatic journaling of
before and after record-images and of run unit status and statistics.

| CV Types |
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CV '02' is the test CV and runs on the computer as task or job 'IDMS02'.

CV '00' is the production CV and runs on the computer as task or job
'IDMS00'.

Other CV's are used by ISD to test hardware and software and are not
available for general use.

| CV Selection. |
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To use the services of CV '00', use 'CLASS=I' on your job card and put
the following JCL DD card in each job step where CV '00' is used:

```
    //SYSCTL DD DSN=SYS1.CV00.SYSCTL,DISP=SHR
```

To use the services of CV '02', use 'CLASS=J' on your job card and put
the following JCL DD card in each job step where CV '02' is used:

```
    //SYSCTL DD DSN=SYS1.CV02.SYSCTL,DISP=SHR
```

Catalogued procedures provided by ISD will have a symbolic parameter of
'&CV' which selects datasets for the CV needed; you simply specify
'CV=NN' on the Exec statement. For example:

```
    //PO76A789 EXEC PROC=CULPRIT,CV=02
```

In CICS, you do not do anything at all to use CV; use of CV is automatic
and mandatory. The test CICS ('DBT') uses the test CV ('02') and the
production CICS ('CICS') uses the production CV ('00').

TSO CLIST'S provided by ISD will have a keyword parameter 'CV' which
will select the CV to be used. For example:

```
    OLQS CV(02)
```

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| CV Usage   |
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```
CV's are generated by DBAS and run by ISD Computer Operations.

CV's are usually used to access all IDMS Databases.

Any and all IDMS Database access without a CV must have the approval of
DBAS. Exceptions may include, but are not restricted to, DDR, some
utility programs, and some very high volume systems.

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| Cross-References  |
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```
 "IDMS System Generation", a manual from CDSI.

 "IDMS System Overview", a manual from CDSI.

 ISD Advisory PSA 4035   "IDMS Central Version Schedules".

      This document is the current version of Standard 2.15.2001
      that had been issued by the Comptrollers Data Processing Division